

BATS 1 1

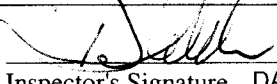
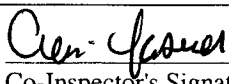
Status: Complete

Ver Date 09 / 28 / 2006

Agency: Washington State

**BRIDGE INSPECTION REPORT**

Bridge No. 9/134	Page 1 of 2	Structure Type CA
Bridge Name PILCHUCK CR	Route 00009	Intersecting PILCHUCK CR
Structure ID 000000FX	MilePost 34.85	Location 5.4 N JCT SR 530

 Inspector's Signature DAG IDent# G0409	 Co-Inspector's Signature CSY	Inspection Date: 9/25/2006 BATS Hours: 1.00
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5 Structural Adqcy (657) 2 Deck Geometry (658) 9 Underclearance (659) 5 <input type="checkbox"/> Operating Level (660) 3 <input type="checkbox"/> Alignment Adqcy (661) 6 <input type="checkbox"/> Waterway Adqcy (662) 9 <input type="checkbox"/> Deck Overall (663) 6 <input type="checkbox"/> 9 Drains Condition (664) 5 <input type="checkbox"/> Superstructure (671) 1 <input type="checkbox"/> Number Utilities (675) 5 <input type="checkbox"/> 4 Substructure (676) 8 <input type="checkbox"/> Chan/Protection (677) 9 <input type="checkbox"/> Culvert (678)	N <input type="checkbox"/> 2 <input type="checkbox"/> 8 <input type="checkbox"/> 7 <input type="checkbox"/> 9 <input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> 0 1 <input type="checkbox"/> 1 <input type="checkbox"/> N <input type="checkbox"/> N <input type="checkbox"/> N <input type="checkbox"/>	Pier/Abut/Protect (679) Scour (680) Approach Rdwy (681) Retaining Walls (682) Pier Protection (683) Bridge Rails (684) Transition (685) Guardrails (686) Terminals (687) Revise Rating (688) Photos Flag (691) Soundings Flag (693) Measure Clearance(694)	1916 Year Built 0 Year Rebuilt F 61 <input type="checkbox"/> Operating Rating F 36 <input type="checkbox"/> Inventory Rating A <input type="checkbox"/> Open Close Posted 99' 99" <input type="checkbox"/> Vertical Over Deck 00' 00" <input type="checkbox"/> Vertical Under N <input type="checkbox"/> Vertical Under Code 3.00 <input type="checkbox"/> 0.00 Asphalt Depth 25 <input type="checkbox"/> Speed Limit	<b>Inspections Performed:</b> <table border="0"> <tr> <th>IT</th> <th>OF</th> <th>NF</th> <th>Date</th> <th>Report Type</th> </tr> <tr> <td>Y</td> <td>24</td> <td></td> <td>09/25/06</td> <td>Routine</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Fracture Critical</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Underwater</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Special</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Interim</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Equipment</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Damage</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Safety</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Short Span</td> </tr> </table>	IT	OF	NF	Date	Report Type	Y	24		09/25/06	Routine					Fracture Critical					Underwater					Special					Interim					Equipment					Damage					Safety					Short Span
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Suff Rating: 60.80 FO 42.45 SD

**BMS Elements**

Element	Element Description	Total	Units	Env	State1	State2	State3	State4
145	Earth Filled Concrete Arch	120	LF	3	0	92	24	4
212	Concrete Submerged Pier Wall	22	LF	3	0	17	5	0
215	Concrete Abutment	41	LF	3	0	33	8	0
220	Concrete Submerged Pile Cap/Footing	3	EA	4	3	0	0	0
361	Scour	3	EA	3	0	2	1	0
800	Asphaltic Concrete (AC) Overlay	2,050	SF	3	2,034	0	16	0

**Notes**

0	Bridge oriented south to north in conjunction with route direction.
145	Several leaching cracks, horizontal cracks, and spalls in surfaces and edges of arch. Spalled areas and heavy leaching in face near spring lines; many spalls w/leaching along longitudinal construction joints. Many areas of crumbling exfoliated concrete on underside of arches. Underside of arch has many leaching cracks, spalls, and wet areas. Arch spring line at the north abutment is abraded and spalled up to 4 ft. long x 6" wide x 12" deep.
212	Many spalled vertical and horizontal leaching cracks and crumbling concrete on the pier walls.
215	Rough abraded concrete with many cracks. Abutment wing walls are exfoliated, cracked, and covered with moss. The northwest wall has a 12" x 12" x 3" deep spall (Photo #9). The northeast wall has a 16" x 5" x 3" deep spall. Southwest and southeast walls have similar spalls.
220	See Note 361.
361	Flow is east to west. Footings are exposed as follows: Pier 1: 8 ft. of undermined footing at the SE corner of the bridge. Undermining is 1 ft. high x 18" of penetration. 4 ft. belongs to the bridge footing and 4 ft. belongs to the SE wing. Pier 2: exposed a maximum of 4'-8" near center of footing on the upstream face. Pier 3 exposed a maximum of 2'-0". REPAIR Number 10003. Main channel bears against Pier 1 and SE wing wall.
661	Signed single lane bridge with 25 mph curve at the south approach.
664	Drains permanently covered with wood.
671	Superstructure coded '5' due to deterioration of the Luten arch. See element 144.
675	One 4" diameter steel pipe on the west side of the bridge.
676	Substructure coded down due to scour. See BMS element 361.
680	Pier 2 is scour critical if estimated pile tip elevations are accurate. Some channel degradation has occurred.

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## BRIDGE INSPECTION REPORT

Status: Complete

Ver Date 09 / 28 / 2006

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Bridge No.	9/134	Page 2 of 2	Structure Type	CA				
Bridge Name	PILCHUCK CR	Route	00009	Intersecting				
Structure ID	000000FX	MilePost	34.85	Location				
5.4 N JCT SR 530								
684	New thrie-beam retrofit.							
685	Type 3 transitions do not meet current standards. Impact gouges at the northwest transition and scrapes at the southwest transitions at the abutments. The corners are scraped.							
687	Slotted terminals.							
691	Deck photo taken 8/22/2004, elevation photo taken in 2000.							
Photos #1, #3, #5, and #6 archived in 2004.								
693	Soundings taken 9/25/2006.							
800	Two areas each about 2 ft. x 4 ft. that are slightly sunken and beginning to ravel in the southbound lanes of Span 1 and Span 2.							
<b>Repairs</b>								
<b>Repair No</b>	<b>Priority</b>	<b>Repair Description</b>	<b>Date Noted</b>	<b>Verified</b>				
10003	1	Protect piers from further scour. (Note revised since debris has been removed from Pier 2. RLS 8/13/2002)	08/07/2000					
<b>Inspections Performed and Resources Required</b>								
<b>Report Type</b>	<b>Date</b>	<b>IT</b>	<b>Frq</b>	<b>Hrs</b>	<b>Insp</b>	<b>CertNo</b>	<b>Coinsp</b>	<b>Note</b>
Routine	09/25/2006	Y		1.0	DAG	G0409	CSY	
<b>Resource</b>	<b>Use</b>	<b>Hours</b>	<b>Min</b>	<b>Req</b>	<b>Max</b>	<b>Notes</b>		
Scheduling Rest	WTR		WTR	WTR	WTR	WTR	Inspection of Pier 1 footing requires low water.	